(e) whether any other scientist has since recruited to assist this project abroad, if so, the details thereof; and

(f) what steps are being taken by Government to see that men associated with sensitive areas are not allowed to take up foreign assignment on the eve of retirement ?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY (DEPTT. OF ELECTRONICS AND DEPTT. OF OCEAN DEVELOPMENT AND THE MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R. KUMARAMANGALAM) : (a) to (c) Comparative study of the experiences in commercialisation of research based technologies is one part of the UNDP approved project on Improving Technology Transfer through Strengthened Interaction between the Research Community, Interface Agencies and Public and Private Enterprises'. The project team includes a Main Project Scientist, who is a very distinguished scientist possessing knowledge of technology situation in India, located at Carnegie Mellon University, Pittsburg. The project duration is for thirty months. The High Level Review Committee of the UNDP project welcomed the choice of the former Scientific Adviser to the Raksha Mantri to be the Main Project Scientist.

(d) The United Nations Development Programme (UNDP) High Technology Review Workshop was held in Bangalore on 13th and 14th February, 92. The issues broadly discussed were :

> Technology development under new economic policies of India, technology development niche for India in global economy, the best methods for technology development and role of UNDP in technology development in India. The Workshop was attended by about twenty participants including emminent scientists, technologists economists, and UNDP and Government officials.

(e) The project work at Carnegie Mellon University is served by a few personnel on the basis of short-term and long-term requirements. During 1992, six experts in the areas of materials and technology transfer issues contributed to the project. In addition, a few more Indian scientists associate themselves with the project through brief visits.

(f) There are existing Government guidelines to regulate assignment of personnel associated with sensitive areas.

U.S. dicision to stop funding science and technology project

2246. SHRIMATI CHANDRIKA ABHINANDAN JAIN :
SHRI DEBABRATA BISWAS :
Will the PRIME MINISTER be pleased to state :

(a) whether it is a fact that the U. S. Government have decided to stop funding science and technology project in India that would lead to commercially marketable process and products;

(b) whether this decision is due to the lack of progress on talks for changing the Indian patent laws to ensure protection of intellectual property rights;

(c) if so, the number of projects likely to be suffered due to the U.S. decision; and

(d) what is the number of total projects being funded by U.S. ?

THE MINISTER OF STATE IN THE MINISTRY OF SCIENCE AND TECHNOLOGY (DEPTT. OF ELECTRONICS AND DEPTT. OF OCEAN DEVELOPMENT) AND THE MINISTER OF STATE IN THE MINISTRY OF PARLIAMENTARY AFFAIRS (SHRI P. R. KUMARAMANGALAM) : (a) to (d) Since October 5, 1989, the U.S. Government have been reviewing all new or expanded cooperative bilateral Science and Technology projects in the light of their position on Intellectual property rights. The U.S. Government's position stems from bilateral differences on the issue of patent protection. The issue of Intellectual property protection is under discussion in the context of the negotiations on Trade Related Aspects of Intellectual Property Rights and Trade in Counterfeit Goods (TRIPS) at the Uruguay Round of multilateral trade negotiations under GATT.

2. Over 75 Indo-US collaborative projects are currently under implementation. Collaborative Projects approved before October 5, 1989 have not been affected. However, project proposals submitted after this date which the US Government have assessed to have Intellectual property implications have not been cleared.

Export of indigenous technology by Indian Space Programme

2247. MISS SAROJ KHAPARDE : Will the PRIME MINISTER be pleased to state :

(a) whether the Indian Space Programme

has begun exporting indigenous technology abroad; and

(b) if so, the details thereof?

THE MINISTER OF STATE IN THE PRIME MINISTER'S OFFICE (SHRI BHUVNESH CHATURVEDI): (a) The Indian Space Programme has begun exporting space products and services through Antrix Corporation but not technology.

(b) Some of the major exports recently carried out include space qualified subsystems for electro optical sensors, software, consultation on low earth orbit satellite configuration for personal communications and development of antenna for handheld phone for INMARSAT-P.

इन्सेट-2सी और इन्सेट-2डी उपग्रहों के प्रक्षेपण हेतु अंतर्राष्ट्रीय निविदायें

2248. **श्री शांति त्यागी :** क्या प्रधान मंत्री यह बताने की कृपा करेंगे कि :

(क) क्या यह सच है कि अंतरिक्ष विभाग ने अपने भावी बहुउद्देश्यीय उपग्रहों इन्सेट-2सी तथा इन्सेट-2डी के प्रक्षेपण हेतु अंतर्राष्ट्रीय निविदाएं आमंत्रित की हैं;

(ख) यदि हां, तो अब तक किन-किन देशों से निविदाएं प्राप्त हो चुकी हैं या प्राप्त होने की संभावना है;

(ग) पहले दो उपग्रहों के प्रक्षेपण के लिए कितनी धनराशि अदा की गई थी; और

(घ) क्या इन्सेट-2सी तथा इन्सेट-2डी का निर्माण हो चुका है?

प्रधान मंत्री कार्यालय में राज्य मंत्री (श्री भुवनेश चतुर्वेदी) : (क) जी, हां ।

(ख) संयुक्त राज्य अमेरिका, चीन में स्थित फर्मों के प्रस्ताव तथा फ्रांस और रूस में स्थित फर्मों से संयुक्त प्रस्ताव प्राप्त हुए हैं ।

(ग) इन्सेट-2ए और 2बी के प्रमोचन के लिए 199.30 करोड़ रुपये की राशि स्वीकृत की गई है ।

(घ) इन्सेट-2सी और 2डी के विकास और संविरचन का कार्य शुरू हो गया है और यह योजनानुसार प्रगति में है ।

PAPERS LAID ON THE TABLE

Report and Accounts (1989-90) of the Bengal Chemicals and Pharmaceuticals Limited, Calcutta and related papers.

THE MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILISERS (SHRI EDUARDO FALEIRO) I beg to lay on the Table—

I. A copy each (in English and Hindi) of the following papers, under sub-section (1) of section 619A of the Companies Act, 1956 :—

(i) Ninth Annual Report and Accounts of the Bengal Chemicals and Pharmaceuticals Limited, Calcutta, for the year 1989-90, together with the Auditors' Report on the Accounts and the comments of the Comptroller and Auditor General of India thereon.

(ii) Review by Government on the working of the above Company.

II. Statement (in English and Hindi) giving reasons for the delay in laying the papers mentioned at (I), above. (Placed in Library *See* No. LT4537/93).

(I) Memorandum of Understanding between the Government of India and Nepa Limited for the year 1993-94.

(II) *Memorandum of Understanding* between the Government of India and Bharat Heavy Electricals Limited for the year 1993-94.

THE MINISTER OF STATE IN THE MINISTRY OF INDUSTRY (DEPARTMENT OF INDUSTRIAL DEVELOPMENT) WITH ADDITIONAL CHARGE OF THE MINISTER OF STATE IN THE MINISTRY OF INDUSTRY (DEPARTMENT OF HEAVY INDUSTRY) (SHRIMATI KRISHNA SAHI) beg to lay on the Table a copy each (in English and Hindi) of the following papers :—

I. Memorandum of Understanding between the Government of India (Ministry of Industry—Department of Heavy Industry) and the Nepa Limited for the year 1993-94.(Placed in Library *See* No. LT4141/93).

II. Memorandum of Understanding between the Government of India (Ministry of Industry—Department of Heavy Industry) and the Bharat Heavy Electricals Limited for the year 1993-94 (Placed in Library *See* No. LT4339/93).

(I) Memorandum of Understanding between the Government of India and Bharat Dynamics Limited for the year 1993-94.